Title (en)

METHOD AND DEVICE FOR LOCATING AT LEAST ONE OBSTACLE IN A COMMUNICATION NETWORK, CORRESPONDING COMPUTER PROGRAM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ORTUNG VON MINDESTENS EINEM HINDERNIS IN EINEM KOMMUNIKATIONSNETZ SOWIE ZUGEHÖRIGES COMPUTERPROGRAMM

Title (fr)

PROCÉDÉ ET DISPOSITIF DE LOCALISATION D'AU MOINS UN OBSTACLE DANS UN RÉSEAU DE COMMUNICATION, PROGRAMME D'ORDINATEUR CORRESPONDANT

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Application

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Abstract (en)

[origin: WO2012089942A1] The invention relates to a method of locating an obstacle between a sender and a receiver. According to the invention, the method comprises the following steps: determination of an elliptical annulus in which said obstacle is situated, said elliptical annulus being defined by two confocal ellipsis, whose foci correspond to said sender and to said receiver, an elliptical annulus being associated with a physical echo generated by an obstacle; an estimation of a distance between said obstacle and a focus, as a function of the deviation between said confocal ellipsis, at the level of said obstacle, according to a plane normal to the axis defined by said foci, in such a way as to obtain a set of possible location zones for said obstacle, in said elliptical annulus; resolving of the ambiguity between the various possible location zones of said obstacle delivering a location zone of said obstacle.

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